**Objectives**:

1. Demonstrate your knowledge of each of the following:

* Effects of waves and tides on the Peticodiac River.
* Process of erosion & deposition related to the Peticodiac River
* Factors that affect species of the Peticodiac River.

1. Communicate and create an opinion on ***one*** of the following:
2. A plan to manage the Peticodiac ecosystem
3. A plan to manage pollution and the Peticodiac River
4. A plan to manage future recreational development and the Peticodiac River

**Products**:

1. Research notes and sources posted on class website (50%)
2. Communication plan (90 seconds Internet Ad or a Power Point) (50%)
3. Journal Response (Not marked)

**Timeline**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
| Introduction  History of Peticodiac  Tides & Waves | Erosion & deposition | Species | Issues related to one of the following:  Ecosystem management  Pollution management  Recreation management | **No School** |
| **No School** | Final research  Start communication plan (CP)  Outline | CP | CP | Finish & Hand In |

**Research**:

Key words - Peticodiac River NB Canada

1. History? (Name, who, use, important dates, …)
2. What are tides and waves?
3. What tides or waves affect the Peticodiac?
4. How do the tides and waves affect the Peticodiac?
5. What is erosion?
6. How does it happen?
7. How does it affect the Peticodiac?
8. What is deposition?
9. What causes it?
10. How does it affect the Peticodiac?
11. What species live in the Peticodiac?
12. How healthy is the ecosystem?
13. How can the ecosystem be protected?
14. What are the names of local groups working to protect the ecosystem?
15. What are the issues people are concerned about?
16. What is your opinion and why?